



**MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT
TANK TRUCK LEAK CERTIFICATION CHECK LIST**

CARGO TANK LEAKAGE TEST

DATE:

WE HEREBY CERTIFY THAT A LEAKAGE TEST WAS PERFORMED ON A CARGO TANK VESSEL PER MARICOPA COUNTY RULE 352 SECTION 302

OWNER:

MFG.'S SERIAL NO.:

ADDRESS:

UNIT NO.:

CITY/STATE/ZIP:

TANK CAPACITY:

PHONE:

DETERMINATION OF VAPOR TIGHTNESS OF CARGO TANK PER EPA REGULATION 40 CFR PART 60 APPENDIX A (METHOD 27)

PRE-TEST PROCEDURE (CHECK ✓)

☐ TRUCK/TRAILER PURGED ☐ TO CONTROL DEVICE ☐ TANK TRUCK/TRAILER IN SHADE MORE THAN (1) HOUR ☐ TANK TRUCK/TRAILER GROUNDED AND ALL DOME COVERS OPENED AND CLOSED ☐ VAPOR HOSE (BELONGING TO UNIT) ATTACHED TO UNIT, TEST CAP ON VAPOR HOSE ☐ PRESSURE SOURCE ATTACHED TO VAPOR HOSE ☐ MANOMETER ATTACHED TO PRESSURE TAP

	START TIME	INITIAL INCHES H ₂ O	FINISH TIME	FINAL INCHES H ₂ O	TOTAL PRESSURE CHANGE	PASSED YES NO	
INITIAL TEST							

PRESSURE TEST :

1. OPEN SHUT OFF VALVE IN THE VAPOR RECOVERY HOSE CAP. SLOWLY PRESSURIZE THE TANK (OR FIRST COMPARTMENT) TO 18 INCHES H₂O. **2.** CLOSE SHUT OFF VALVE, ALLOW PRESSURE IN TANK TO STABILIZE. ADJUST PRESSURE IF NECESSARY TO MAINTAIN 18 INCHES H₂O. **3.** AT THE END OF (5) MINUTES **RECORD FINAL TIME/PRESSURE WHEN STABILIZED.** (ALLOWABLE PRESSURE DROP EQUAL TO 1 INCH TOTAL (½ INCH EACH SIDE OF MANOMETER). **(REPEAT RUNS UNTIL TWO CONNECTIVES RUNS PASS)**

	START TIME	INITIAL INCHES H ₂ O	FINISH TIME	FINAL INCHES H ₂ O	TOTAL PRESSURE CHANGE	PASSED YES NO	
RUN 1							
RUN 2							

VAPOR VALVE LOSS TEST:

1. PRESSURIZE AND STABILIZE TANK TO 18 INCHES H₂O. CLOSE INTERNAL VAPOR VALVES IN TANK (ISOLATING THE VAPOR RETURN LINE AND MANIFOLD). **2.** OPEN THE SHUT OFF VALVE AND RELIEVE THE PRESSURE IN THE VAPOR RETURN LINE AND MANIFOLD TO ATMOSPHERIC PRESSURE **3.** CLOSE THE SHUT OFF VALVE AND **RECORD TIME.** **4.** AFTER (5) MINUTES **RECORD THE PRESSURE.** (ALLOWABLE PRESSURE INCREASE 5 INCHES TOTAL (2½ INCHES EACH SIDE OF MANOMETER).

	START TIME	INITIAL INCHES H ₂ O	FINISH TIME	FINAL INCHES H ₂ O	TOTAL PRESSURE CHANGE	PASSED YES NO	
RUN 1							

VACUUM TEST:

1. CONNECT THE VACUUM SOURCE TO THE PRESSURE/VACUUM SUPPLY HOSE. **2.** SLOWLY EVACUATE THE TANK (OR FIRST COMPARTMENT) TO 6 INCHES H₂O. **3.** CLOSE THE SHUT OFF VALVE, ALLOW THE PRESSURE TO STABILIZE, ADJUST THE PRESSURE IF NECESSARY TO MAINTAIN 6 INCHES H₂O. **RECORD INITIAL TIME/PRESSURE WHEN STABILIZED.** **4.** AT THE END OF (5) MINUTES, RECORD FINAL TIME/PRESSURE. (ALLOWABLE PRESSURE DROP EQUAL TO 1 INCH (½ INCH EACH SIDE OF MANOMETER). **(REPEAT RUNS UNTIL TWO CONNECTIVES RUNS PASS)**

	START TIME	INITIAL INCHES H ₂ O	FINISH TIME	FINAL INCHES H ₂ O	TOTAL PRESSURE CHANGE	PASSED YES NO	
RUN 1							
RUN 2							

LIST DEFECTS AND REPAIRS NECESSARY TO PASS VAPOR TIGHTNESS TEST: (LIST REPAIRS DONE PRIOR TO TESTING. THIS IS TO BUILD A HISTORY OF TYPES OF REPAIRS NEEDED OR PERFORMED).

TEST PERFORMED BY:

TESTED BY:

DATE:

NEXT LEAKAGE TEST IS DUE ON:

SIGNATURE OF PERSON CONDUCTING THE TEST

THIS TEST IS TO BE COMPLETED ON EACH TANK TRUCK/TRAILER TESTED AND SUBMITTED WITH THE APPLICATION FOR AIR POLLUTION VAPOR RECOVERY CERTIFICATION FORM.